Refine Search

Search Results -

Term	Documents
GATEWAY	38615
GATEWAYS	10546
HIGH	6653731
HIGHS	2512
THROUGHPUT	160016
THROUGHPUTS	6503
(11 AND ((HIGH ADJ THROUGHPUT) OR GATEWAY)).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	28
(L11 AND (GATEWAY OR (HIGH ADJ THROUGHPUT))).PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD.	28

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L14

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Wednesday, May 05, 2004 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=AND			
L14	L11 and (Gateway or (high adj throughput))	28	L14
L13	L11 and ((first or second or third or fourth) adj recombination)	2	L13
L12	L11 and ((first and second and third and fourth) adj recombination)	1	L12

h e b b cg b e e ch

L11	L10 same (recombination or recombinase)	106	L11
L10	(silencing adj construct) or (gene adj silencing)	1258	L10
L9	L7 and ((silencing adj construct) or (gene adj silencing))	5	L9
L8	L7 and (recombination adj cloning)	0	L8
L7	L5 and (high adj throughput)	86	L7
L6	L5 and (attB1 and attB2 and attP1 and attP2)	0	L6
L5	(PCR adj product) same (sense and anti-sense)	507	L5
L4	pHELLSGATE	3	L4
L3	L2 and (recombination or recombinase)	7	L3
L2	Waterhouse-Peter-M$.in.	12	L2
L1	Helliwell-christopher-A$.in.	1	L1

END OF SEARCH HISTORY

PALM INTRANET

Day : Wednesday

Date: 5/5/2004
Time: 10:45:35

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
Helliwell	Christopher	Search

To go back use Back button on your browser toolbar.

Back to PALM | ASSIGNMENT | OASIS | Home page

h e eb cg b e f e

PALM INTRANET

Day : Wednesday

Date: 5/5/2004
Time: 10:45:35

Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name	**First Name**	
Waterhouse	Peter	Search

To go back use Back button on your browser toolbar.

Back to PALM | ASSIGNMENT | OASIS | Home page

h e eb cg b e f e

```
### Status: Path 1 of [Dialog Information Services via Modem]

### Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)
Trying 31060000009999...Open

DIALOG INFORMATION SERVICES
PLEASE LOGON:
 ******** HHHHHHHH SSSSSSSS?
### Status: Signing onto Dialog
 ********
ENTER PASSWORD:
 ******** HHHHHHHH SSSSSSSS? ********
Welcome to DIALOG
### Status: Connected


Dialog level 04.06.01D

Last logoff:  04may04 12:48:37
Logon file001 05may04 12:03:38
           *** ANNOUNCEMENT ***
                    ***
--File 654 - US published applications from March 15, 2001 to the
present are now online.  Please see HELP NEWS 654 for details.

                    ***
--File 581 - The 2003 annual reload of Population Demographics is
complete. Please see Help News581 for details.

                   ***
--File 990 - NewsRoom now contains February 2003 to current records.
File 992 - NewsRoom 2003 archive has been newly created and contains
records from January 2003. The oldest months's records roll out of
File 990 and into File 992 on the first weekend of each month.
To search all 2003 records BEGIN 990, 992, or B NEWS2003, a new
OneSearch category.
                    ***
--Connect Time joins DialUnits as pricing options on Dialog.
See HELP CONNECT for information.
                    ***
                    ***
--SourceOne patents are now delivered to your email inbox
as PDF replacing TIFF delivery. See HELP SOURCE1 for more
information.
                    ***
--Important Notice to Freelance Authors--
See HELP FREELANCE for more information
                    ***
NEW FILES RELEASED
***AeroBase (File 104)
***DIOGENES: Adverse Drug Events Database (File 181)
***World News Connection (File 985)
***Dialog NewsRoom - 2003 Archive (File 992)
***TRADEMARKSCAN-Czech Republic (File 680)
***TRADEMARKSCAN-Hungary (File 681)
***TRADEMARKSCAN-Poland  (File 682)
                    ***
UPDATING RESUMED
                    ***
RELOADED
***Medline (Files 154-155)
***Population Demographics -(File 581)
***CLAIMS Citation (Files 220-222)

REMOVED
                    ***
```

```
     >>> Enter BEGIN HOMEBASE for Dialog Announcements <<<
     >>>    of new databases, price changes, etc.       <<<
                    ****
KWIC is set to 50.
HILIGHT set on as '*'
*
*
* ALL NEW CURRENT YEAR RANGES HAVE BEEN * * *
* * * INSTALLED   * * *
*

File   1:ERIC 1966-2004/Apr 29
       (c) format only 2004 The Dialog Corporation

      Set  Items  Description
      ---  -----  -----------
Cost is in DialUnits
?b 155, 5, 73
       05may04 12:04:09 User259876 Session D618.1
            $0.32    0.092 DialUnits File1
     $0.32  Estimated cost File1
     $0.12  TELNET
     $0.44  Estimated cost this search
     $0.44  Estimated total session cost   0.092 DialUnits


SYSTEM:OS  - DIALOG OneSearch
  File 155:MEDLINE(R) 1966-2004/Apr W4
        (c) format only 2004 The Dialog Corp.
*File 155: Medline has been reloaded. Accession numbers
have changed. Please see HELP NEWS 154 for details.
  File   5:Biosis Previews(R) 1969-2004/Apr W4
        (c) 2004 BIOSIS
  File  73:EMBASE 1974-2004/Apr W4
        (c) 2004 Elsevier Science B.V.

      Set  Items  Description
      ---  -----  -----------
?s (construct) (s) ((gene (w) silencing) and (high (w) throughput))
          92618  CONSTRUCT
        2252449  GENE
          16461  SILENCING
           8835  GENE(W)SILENCING
        3698661  HIGH
          23156  THROUGHPUT
          17023  HIGH(W)THROUGHPUT
      S1      8  (CONSTRUCT) (S) ((GENE (W) SILENCING) AND (HIGH (W)
                 THROUGHPUT))
?rd
...completed examining records
      S2      4  RD (unique items)
?t s2/3,k/all

 2/3,K/1     (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
(c) format only 2004 The Dialog Corp. All rts. reserv.

15682043   PMID: 12828942
  Constructs and methods for high-throughput gene silencing in plants.
  Helliwell Chris; Waterhouse Peter
  CSIRO Plant Industry, GPO Box 1600, Canberra ACT 2601, Australia.
  Methods (San Diego, Calif.) (United States)   Aug 2003,  30  (4)  p289-95
,  ISSN 1046-2023   Journal Code: 9426302
  Document type: Evaluation Studies; Journal Article
  Languages: ENGLISH
  Main Citation Owner: NLM
```

Record type: Completed

... encodes an intron, the efficiency of gene silencing is very high. There are at least three ways in which hpRNA constructs can be made. The *construct* may be generated from standard binary plant transformation vectors in which the hairpin-encoding region is generated de novo for each gene. Alternatively, generic *gene*-*silencing* vectors such as the pHANNIBAL and the pHELLSGATE series can be used. They simply require the insertion of PCR products, derived from the target gene...

2/3,K/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

12261162 PMID: 12609050
Inverted repeat of a heterologous 3'-untranslated region for high-efficiency, high-throughput gene silencing.
Brummell David A; Balint-Kurti Peter J; Harpster Mark H; Palys Joseph M; Oeller Paul W; Gutterson Neal
DNA Plant Technology, 6701 San Pablo Avenue, Oakland, CA 94608, USA. brummelld@crop.cri.nz
Plant journal - for cell and molecular biology (England) Feb 2003, 33 (4) p793-800, ISSN 0960-7412 Journal Code: 9207397
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... procedure for high-efficiency gene silencing is specific for a target gene, but does not require inverted repeat DNA of the target gene in the *construct* . The method employs an inverted repeat of the 3'-untranslated region (3'-UTR) of a heterologous gene, and has been demonstrated using the 3'-UTR...

... and the inverted nos domain in a single-cloning step, and does not require any knowledge of the DNA sequence. The approach is suitable for *high*-*throughput* *gene* *silencing* studies, where it is necessary to investigate the function of hundreds to thousands of uncharacterized genes.

2/3,K/3 (Item 3 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

11469437 PMID: 11576441
Construct design for efficient, effective and *high*-*throughput* *gene* *silencing* in plants.
Wesley S V; Helliwell C A; Smith N A; Wang M B; Rouse D T; Liu Q; Gooding P S; Singh S P; Abbott D; Stoutjesdijk P A; Robinson S P; Gleave A P; Green A G; Waterhouse P M
CSIRO Plant Industry, PO Box 1600 Canberra ACT 2601, Australia.
Plant journal - for cell and molecular biology (England) Sep 2001, 27 (6) p581-90, ISSN 0960-7412 Journal Code: 9207397
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

Construct design for efficient, effective and *high*-*throughput* *gene* *silencing* in plants.
... generic vector, pHANNIBAL, that allows a simple, single PCR product from a gene of interest to be easily converted into a highly effective ihpRNA silencing *construct*. We have also created a *high*-*throughput* vector, pHELLSGATE, that should facilitate the cloning of gene libraries or large numbers of defined genes, such as those in EST collections, using an in...

2/3,K/4 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0014049031 BIOSIS NO.: 200300007750
High-throughput vectors for efficient gene silencing in plants.
AUTHOR: Helliwell Chris A (Reprint); Wesley S Varsha; Wielopolska Anna J; Waterhouse Peter M
AUTHOR ADDRESS: CSIRO Plant Industry, GPO Box 1600, Canberra, ACT, 2601, Australia**Australia
AUTHOR E-MAIL ADDRESS: chris.helliwell@csiro.au
JOURNAL: Functional Plant Biology 29 (10): p1217-1225 2002 2002
MEDIUM: print
ISSN: 1445-4408 _(ISSN print)
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: In this paper we describe two improved pHellsgate vectors that facilitate rapid generation of hpRNA-encoding constructs. pHellsgate 4 allows the production of an hpRNA *construct* in a single step from a single polymerase chain reaction product, while pHellsgate 8 requires a two-step process via an intermediate vector. We show...

...these vectors are effective at silencing three endogenous genes in Arabidopsis, FLOWERING LOCUS C, PHYTOENE DESATURASE and ETHYLENE INSENSITIVE 2. We also show that a *construct* of sequences from two genes silences both genes.
?ds

```
Set     Items   Description
S1          8   (CONSTRUCT) (S) ((GENE (W) SILENCING) AND (HIGH (W) THROUG-
             HPUT))
S2          4   RD (unique items)
?s (gene (w) silencing) (s) (high (w) throughput)
         2252449  GENE
           16461  SILENCING
         3698661  HIGH
           23156  THROUGHPUT
      S3      53  (GENE (W) SILENCING) (S) (HIGH (W) THROUGHPUT)
?s s3 and (recombination or recombinase)
              53  S3
          118736  RECOMBINATION
            7267  RECOMBINASE
      S4       6  S3 AND (RECOMBINATION OR RECOMBINASE)
?rd
...completed examining records
      S5       3  RD (unique items)
?s s5 not s2
               3  S5
               4  S2
      S6       1  S5 NOT S2
?t s6/3,k/all
```

6/3,K/1 (Item 1 from file: 73)
DIALOG(R)File 73:EMBASE

11297752 EMBASE No: 2001312037
Reverse genetics in plants
Tissier A.; Bourgeois P.
A. Tissier, CEA/Cadarache, DEVM, Lab. de Radiobiologie Vegetale, 13108 St Paul-lez-Durance Cedex France
AUTHOR EMAIL: alain.tissier@cea.fr
Current Genomics (CURR. GENOMICS) (Netherlands) 2001, 2/3 (269-284)

CODEN: CGUEA ISSN: 1389-2029
DOCUMENT TYPE: Journal ; Article
LANGUAGE: ENGLISH SUMMARY LANGUAGE: ENGLISH
NUMBER OF REFERENCES: 187

...review is to explore the technological avenues taken to address this question and to provide an update on current developments. Because gene targeting by homologous *recombination* is still not a commodity in plants and despite recent progress with chimeric oligonucleotides, other strategies have been implemented. The most well established routes rely...

...rice. T-DNA may also be used as an insertion mutagen in species where transformation frequencies are high. In species where transformation is less efficient, *gene* *silencing* may prove to be an attractive solution. Finally, the advent of *high* *throughput* mutation detection techniques will allow the use of conventional chemically or physically induced mutagenesis in plant reverse genetics. This is theoretically applicable to a wide...
MEDICAL DESCRIPTORS:
gene targeting; genetic *recombination*; mutagenesis; gene insertion; transposon; Agrobacterium; genetic transformation; genetic engineering; maize; Arabidopsis; rice; gene silencing; gene mutation; DNA RNA hybridization; retroposon; nonhuman; controlled study; article
?ds

```
Set     Items   Description
S1          8   (CONSTRUCT) (S) ((GENE (W) SILENCING) AND (HIGH (W) THROUG-
             HPUT))
S2          4   RD (unique items)
S3         53   (GENE (W) SILENCING) (S) (HIGH (W) THROUGHPUT)
S4          6   S3 AND (RECOMBINATION OR RECOMBINASE)
S5          3   RD (unique items)
S6          1   S5 NOT S2
?s pHELLSGATE
      S7        9  PHELLSGATE
?rd
...completed examining records
      S8        6  RD (unique items)
?s s8 not s2
                6  S8
                4  S2
      S9        3  S8 NOT S2
?t s9/3,k/all
```

9/3,K/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

16044753 PMID: 15103072
Posttranscriptional gene silencing in plants.
Wesley Susan Varsha; Helliwell Chris; Wang Ming-Bo; Waterhouse Peter
Methods in molecular biology (Clifton, N.J.) (United States) 2004, 265 p117-30, ISSN 1064-3745 Journal Code: 9214969
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: In Data Review

... Hairpin RNA-mediated gene silencing exploits this cellular mechanism. A convenient way of generating hairpin constructs is to use generic vectors such as pHANNIBAL and *pHELLSGATE* , vectors based on the Gateway(R) technology. These vectors are suitable for high-throughput gene silencing, and the silencing effect is stably inherited over many...

9/3,K/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

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15632201 PMID: 14501070
Custom knock-outs with hairpin RNA-mediated gene silencing.
Wesley Susan Varsha; Liu Qing; Wielopolska Anna; Ellacott Geoff; Smith Neil; Singh Surinder; Helliwell Chris
CSIRO Plant Industry, Canberra, Australia.
Methods in molecular biology (Clifton, N.J.) (United States) 2003, 236 p273-86, ISSN 1064-3745 Journal Code: 9214969
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... made using conventional plasmids, use of generic vectors such as pHANNIBAL makes it more convenient to silence a number of genes simultaneously. Vectors, such as *pHELLSGATE* , that are based on the Gateway(R) technology are suitable for high-throughput gene silencing. The specificity of dsRNA silencing, it's ability to simultaneously...

9/3,K/3 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.

0014749914 BIOSIS NO.: 200400120671
PTGS approaches to large-scale functional genomics in plants.
BOOK TITLE: RNAi: A guide to gene silencing
AUTHOR: Burch-Smith Tessa M (Reprint); Miller Jennifer L (Reprint); Dinesh-Kumar Savithramma P (Reprint)
BOOK AUTHOR/EDITOR: Hannon Gregory J (Editor)
AUTHOR ADDRESS: Department of Molecular, Cellular, and Developmental Biology, Yale University, New Haven, CT, 06520-8104, USA**USA
p243-263 2003
MEDIUM: print
BOOK PUBLISHER: Cold Spring Harbor Laboratory Press, 1 Bungtown Road, P. O. Box 100, Cold Spring Harbor, NY, 11724-2203, USA
ISBN: 0-87969-641-9 (cloth)
DOCUMENT TYPE: Book Chapter
RECORD TYPE: Citation
LANGUAGE: English

DESCRIPTORS:
CHEMICALS & BIOCHEMICALS: ...*pHELLSGATE*--
?ds

Set	Items	Description
S1	8	(CONSTRUCT) (S) ((GENE (W) SILENCING) AND (HIGH (W) THROUGHPUT))
S2	4	RD (unique items)
S3	53	(GENE (W) SILENCING) (S) (HIGH (W) THROUGHPUT)
S4	6	S3 AND (RECOMBINATION OR RECOMBINASE)
S5	3	RD (unique items)
S6	1	S5 NOT S2
S7	9	PHELLSGATE
S8	6	RD (unique items)
S9	3	S8 NOT S2

?s (recombination (w) cloning) and (Gateway)

	118736	RECOMBINATION
	319781	CLONING
	112	RECOMBINATION(W)CLONING
	1414	GATEWAY
S10	5	(RECOMBINATION (W) CLONING) AND (GATEWAY)

?rd
...completed examining records

S11	4	RD (unique items)

?s s11 not s2

```
              4  S11
              4  S2
     S12      4  S11 NOT S2
?t s12/3,k/all
```

12/3,K/1 (Item 1 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

11566711 PMID: 11759842
Generation of RCAS vectors useful for functional genomic analyses.
Loftus S K; Larson D M; Watkins-Chow D; Church D M; Pavan W J
Mouse Embryology Section, Genetic Disease Research Institute, National Institutes of Health, Bethesda, MD 20892-4472, USA. sloftus@nhgri.nih.gov
DNA research - an international journal for rapid publication of reports on genes and genomes (Japan) Oct 31 2001, 8 (5) p221-6, ISSN 1340-2838 Journal Code: 9423827
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... sparse cloning sites. To overcome some of the disadvantages of traditional cloning using the RCASBP-Y vector, we have modified the RCASBP-Y to incorporate "*Gateway*" site-specific *recombination* *cloning* of genes into the construct, either with or without HA epitope tags. We have found the repetitive "att" sequences, which are the targets for site ...

12/3,K/2 (Item 2 from file: 155)
DIALOG(R)File 155:MEDLINE(R)

11200256 PMID: 11242119
Open-reading-frame sequence tags (OSTs) support the existence of at least 17,300 genes in C. elegans.
Reboul J; Vaglio P; Tzellas N; Thierry-Mieg N; Moore T; Jackson C; Shin-i T; Kohara Y; Thierry-Mieg D; Thierry-Mieg J; Lee H; Hitti J; Doucette-Stamm L; Hartley J L; Temple G F; Brasch M A; Vandenhaute J; Lamesch P E; Hill D E; Vidal M
Dana-Farber Cancer Institute and Department of Genetics, Harvard Medical School, Boston, Massachusetts, USA.
Nature genetics (United States) Mar 2001, 27 (3) p332-6, ISSN 1061-4036 Journal Code: 9216904
Contract/Grant No.: R21 CA81658 A 01; CA; NCI; RO1 HG01715-01; HG; NHGRI
Comment in Nat Genet. 2001 Mar;27(3) 227-8; Comment in PMID 11242092
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... applied to C. elegans the following strategy. Predicted ORFs are amplified by PCR from a highly representative cDNA library using ORF-specific primers, cloned by *Gateway* *recombination* *cloning* and then sequenced to generate ORF sequence tags (OSTs) as a way to verify identity and splicing. In a sample (n=1,222) of the...

12/3,K/3 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0014426603 BIOSIS NO.: 200300383880
Genetic manipulation of the Sinorhizobium meliloti 1021 genome.
AUTHOR: Schroeder B K (Reprint); House B L (Reprint); Mortimer M M (Reprint); Maloney S C (Reprint); Warren K (Reprint); Yurgel S (Reprint);

Kahn M L (Reprint)
AUTHOR ADDRESS: Washington State University, Inst. of Biological Chemistry, Pullman, WA, 99164, USA**USA
JOURNAL: Phytopathology 93 (6 Supplement): pS77 June 2003 2003
MEDIUM: print
CONFERENCE/MEETING: Annual Meeting of the American Phytopathological Society Charlotte, North Carolina, USA August 09-13, 2003; 20030809
SPONSOR: American Phytopathological Society
ISSN: 0031-949X _(ISSN print)
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: large-scale genetic manipulation of the S. meliloti genome. Phase one involves the cloning of the predicted ORFs into a modified "entry" plasmid for the *GATEWAY* integrase-mediated *recombination* *cloning* system. Phase two of the project involves the transfer of the cloned ORFs into various destination vectors and the use of these destination vectors to...

12/3,K/4 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0013992004 BIOSIS NO.: 200200585515
A new platform for genomic manipulation of Sinorhizobium meliloti
AUTHOR: House B L (Reprint); Mortimer M W (Reprint); Kahn M L (Reprint)
AUTHOR ADDRESS: Washington State University, Pullman, WA, USA**USA
JOURNAL: Abstracts of the General Meeting of the American Society for Microbiology 102 p235 2002 2002
MEDIUM: print
CONFERENCE/MEETING: 102nd General Meeting of the American Society for Microbiology Salt Lake City, UT, USA May 19-23, 2002; 20020519
SPONSOR: American Society for Microbiology
ISSN: 1060-2011
DOCUMENT TYPE: Meeting; Meeting Abstract
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: 1021 is predicted to contain over 6000 open reading frames on the chromosome and two "megaplasmids". We have constructed several new plasmids based on the *GATEWAY* integrase-mediated *recombination* *cloning* system developed by Life Technologies/Invitrogen that have been designed to make this system more compatible for use in E. coli and other bacteria, including...
DESCRIPTORS:
METHODS & EQUIPMENT: *GATEWAY* integrase-mediated *recombination* *cloning* system...
?ds

Set	Items	Description
S1	8	(CONSTRUCT) (S) ((GENE (W) SILENCING) AND (HIGH (W) THROUGHPUT))
S2	4	RD (unique items)
S3	53	(GENE (W) SILENCING) (S) (HIGH (W) THROUGHPUT)
S4	6	S3 AND (RECOMBINATION OR RECOMBINASE)
S5	3	RD (unique items)
S6	1	S5 NOT S2
S7	9	PHELLSGATE
S8	6	RD (unique items)
S9	3	S8 NOT S2
S10	5	(RECOMBINATION (W) CLONING) AND (GATEWAY)
S11	4	RD (unique items)
S12	4	S11 NOT S2

?s ((first or second or third or fourth) (w) recombination) (s) (vector or construct)
2204944 FIRST

```
        1028621  SECOND
         502776  THIRD
         126771  FOURTH
         118736  RECOMBINATION
         267896  VECTOR
          92618  CONSTRUCT
     S13      13  ((FIRST OR SECOND OR THIRD OR FOURTH) (W) RECOMBINATION)
                  (S) (VECTOR OR CONSTRUCT)
?rd
...completed examining records
     S14       7  RD (unique items)
?s s14 not s2
               7  S14
               4  S2
     S15       7  S14 NOT S2
?t s15/3,k/all
```

15/3,K/1 (Item 1 from file: 155)

DIALOG(R)File 155:MEDLINE(R)
(c) format only 2004 The Dialog Corp. All rts. reserv.

13536976 PMID: 9223494

Homologous recombination occurs in a distinct retroviral subpopulation and exhibits high negative interference.

Hu W S; Bowman E H; Delviks K A; Pathak V K

Department of Microbiology and Immunology, and Mary Babb Randolph Cancer Center, School of Medicine, West Virginia University, Morgantown 26506, USA.

Journal of virology (UNITED STATES) Aug 1997, 71 (8) p6028-36, ISSN 0022-538X Journal Code: 0113724

Contract/Grant No.: CA58345; CA; NCI; CA58875; CA; NCI

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

... retroviral recombination occurs within a distinct viral subpopulation and exhibits high negative interference, whereby the selection of one recombination event increases the probability that a *second* *recombination* event will be observed.

15/3,K/2 (Item 2 from file: 155)

DIALOG(R)File 155:MEDLINE(R)
(c) format only 2004 The Dialog Corp. All rts. reserv.

13331510 PMID: 9003306

A general system for generating unlabelled gene replacements in bacterial chromosomes.

Leenhouts K; Buist G; Bolhuis A; ten Berge A; Kiel J; Mierau I; Dabrowska M; Venema G; Kok J

Department of genetics, University of Groningen, Haren, The Netherlands.

Molecular & general genetics - MGG (GERMANY) Nov 27 1996, 253 (1-2) p217-24, ISSN 0026-8925 Journal Code: 0125036

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: Completed

... cointegrate structure is identified in the second step of the procedure by the loss of the lacZ reporter gene present in the delivery vector. The *second* *recombination* event results either in gene replacement or in restoration of the original copy of the gene. As no antibiotic resistance marker is present in the...

15/3,K/3 (Item 3 from file: 155)

DIALOG(R)File 155:MEDLINE(R)
(c) format only 2004 The Dialog Corp. All rts. reserv.

09428950 PMID: 1369394
Expansion of insecticidal host range of Bacillus thuringiensis by in vivo genetic recombination.
Lereclus D; Vallade M; Chaufaux J; Arantes O; Rambaud S
Unite de Biochimie Microbienne, URA 1300, Centre National de la Recherche Scientifique, Institut Pasteur, Paris, France.
Bio/technology (Nature Publishing Company) (UNITED STATES) Apr 1992, 10 (4) p418-21, ISSN 0733-222X Journal Code: 8309273
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... then selected at non-permissive temperature for clones in which the vector had integrated into a copy of IS232 present on a resident plasmid. A *second* *recombination* event was selected such that the *vector* was eliminated and the newly introduced toxin gene was conserved. The resulting strain contained only DNA of Bt origin, and displayed insecticidal activity against both...

15/3,K/4 (Item 4 from file: 155)
DIALOG(R)File 155:MEDLINE(R)
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02020467 PMID: 11894957
Intergeneric transfer and exchange recombination of restriction fragments cloned in pBR322: a novel strategy for the reversed genetics of the Ti plasmids of Agrobacterium tumefaciens.
Van Haute E; Joos H; Maes M; Warren G; Van Montagu M; Schell J
Laboratorium voor Genetica, Rijksuniversiteit Gent, Belgium.
EMBO journal (England) 1983, 2 (3) p411-7, ISSN 0261-4189 Journal Code: 8208664
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: Completed

... Ti plasmid. A second recombination can dissociate the co-integrate plasmid into the desired mutant Ti plasmid and a non-replicating plasmid formed by the *vector* plasmid pBR322 and the target Ti fragment. These second recombinants lose the second plasmid and they are identified by screening for the appropriate marker combination.

15/3,K/5 (Item 1 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)
(c) 2004 BIOSIS. All rts. reserv.

0014554969 BIOSIS NO.: 200300523688
Methods and compositions for genomic modification
AUTHOR: Calos Michele P (Reprint)
AUTHOR ADDRESS: Woodside, CA, USA**USA
JOURNAL: Official Gazette of the United States Patent and Trademark Office Patents 1275 (2): Oct. 14, 2003 2003
MEDIUM: e-file
PATENT NUMBER: US 6632672 PATENT DATE GRANTED: October 14, 2003 20031014
PATENT CLASSIFICATION: 435-462 PATENT ASSIGNEE: The Board of Trustees of the Leland Stanford Junior University PATENT COUNTRY: USA
ISSN: 0098-1133 _(ISSN print)
DOCUMENT TYPE: Patent
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: cell, as well as, enzymes, polypeptides, and a variety of vector constructs useful therefore. In the method, a targeting construct comprises, for example, (i) a *first* *recombination* site and a polynucleotide sequence of interest, and (ii) a site-specific recombinase, which are introduced into the cell. The genome of the cell comprises a *second* *recombination* site. Recombination between the first and *second* *recombination* sites is facilitated by the site-specific recombinase. The invention describes compositions, vectors, and methods of use thereof, for the generation of transgenic cells, tissues...

15/3,K/6 (Item 2 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0009441016 BIOSIS NO.: 199497462301
An improved system of somatic cell molecular genetics for analyzing the requirements of Ig synthesis and function
AUTHOR: Oancea Adriana E; Shulman Marc J
AUTHOR ADDRESS: Dep. Immunol., Univ. Toronto, Toronto, CAN M5S 1A8, Canada **Canada
JOURNAL: International Immunology 6 (8): p1161-1168 1994 1994
ISSN: 0953-8178
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: English

...ABSTRACT: to thioxanthine (TX). One application of this effect is that selection for TX resistance can be used to enrich for targeted mutations introduced by a *second* *recombination* event (bait-and-switch method). Another application concerns the possibility of identifying unanticipated expression enhancing elements in the IgH locus by selecting phenotypically for gpt...

15/3,K/7 (Item 3 from file: 5)
DIALOG(R)File 5:Biosis Previews(R)

0006191345 BIOSIS NO.: 198886031266
CONSTRUCTION OF A TRA-NEGATIVE DELETION MUTANT OF PAGK84 TO SAFEGUARD THE BIOLOGICAL CONTROL OF CROWN GALL
AUTHOR: JONES D A (Reprint); RYDER M H; CLARE B G; FARRAND S K; KERR A
AUTHOR ADDRESS: DEP PLANT PATHOL, WAITE AGRIC RES INST, UNIV ADELAIDE, GLEN OSMOND, SOUTH AUSTRALIA 5064**AUSTRALIA
JOURNAL: Molecular and General Genetics 212 (2): p207-214 1988
ISSN: 0026-8925
DOCUMENT TYPE: Article
RECORD TYPE: Abstract
LANGUAGE: ENGLISH

...ABSTRACT: the pBR325-based deletion construct by homologous recombination. The cointegrate was transferred by conjugation to a derivative of strain K84 lacking pAgK84, in which a *second* *recombination* event generated a stable deletion-mutant by deletion-marker exchange. The resultant new strain of A. radiobacter, designated K1026, shows normal agrocin 84 production. Mating...
?ds

Set	Items	Description
S1	8	(CONSTRUCT) (S) ((GENE (W) SILENCING) AND (HIGH (W) THROUGHPUT))
S2	4	RD (unique items)
S3	53	(GENE (W) SILENCING) (S) (HIGH (W) THROUGHPUT)
S4	6	S3 AND (RECOMBINATION OR RECOMBINASE)
S5	3	RD (unique items)

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S6          1   S5 NOT S2
S7          9   PHELLSGATE
S8          6   RD (unique items)
S9          3   S8 NOT S2
S10         5   (RECOMBINATION (W) CLONING) AND (GATEWAY)
S11         4   RD (unique items)
S12         4   S11 NOT S2
S13        13   ((FIRST OR SECOND OR THIRD OR FOURTH) (W) RECOMBINATION) (-
             S) (VECTOR OR CONSTRUCT)
S14         7   RD (unique items)
S15         7   S14 NOT S2
?logoff
       05may04 12:15:51 User259876 Session D618.2
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               $2.31  11 Type(s) in Format  3
            $2.31  11 Types
     $5.46  Estimated cost File155
            $6.71    1.198 DialUnits File5
              $12.25  7 Type(s) in Format  3
           $12.25  7 Types
    $18.96  Estimated cost File5
            $7.51    0.767 DialUnits File73
               $2.70  1 Type(s) in Format  3
            $2.70  1 Types
    $10.21  Estimated cost File73
            OneSearch, 3 files,  2.948 DialUnits FileOS
     $3.00  TELNET
    $37.63  Estimated cost this search
    $38.07  Estimated total session cost   3.040 DialUnits


### Status: Signed Off. (13 minutes)
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